

In the Claims:

25. (Currently Amended) A method for providing to each global positioning (GPS) unit in a plurality of aircraft software code containing updated aeronautical navigation data, said method comprising the steps of:

placing a unique software key on an electronic card;
electronically coupling the electronic card to a GPS unit;
assigning to each GPS unit a unique software key;
forwarding a request from one of said GPS units for the updated aeronautical navigation data to a software supplier, said request including payment authorization information and a key code associated with the one GPS unit's unique software key and payment authorization information;
encrypting the software code for the updated aeronautical navigation data by the supplier in response to said request using the included key code, said encrypted aeronautical navigation data software code including a decryption program;
transmitting to the one GPS unit having the coupled card said encrypted navigation data software code including said decryption program which only allows software to be unloaded into a GPS unit having the unique software key;
decrypting said transmitted encrypted software code at the one GPS unit according to the one GPS unit's unique software key used to encrypt the software code by the supplier; and
replacing the prior software code aeronautical navigation data at the one GPS unit with the decrypted software code aeronautical navigation data from the supplier.

26. (Original) The method in accordance with claim 25 wherein said step of encrypting the software code includes using cyclic redundancy coding.

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27. (Original) The method in accordance with claim 26 wherein said step of encrypting the software code uses the GPS unit software key as a seed.

28. (Original) The method in accordance with claim 26 wherein the encrypted software code transmitted by the supplier includes a footer tag that includes the GPS unit software key.



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29. (Original) The method of claim 28 wherein said step of decrypting said transmitted software code comprises reading the GPS unit software key from the footer tag and comparing the software key in the footer tag with the software key of the GPS unit.

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30. (New) A system for updating aeronautical navigation data for a global positioning (GPS) unit, the system comprising:

an electronic card including a unique software key;

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a GPS unit a unique software key;
a processor;

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an electronic card receiving device coupled to the processor for electrically receiving the electronic card;

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a communication component coupled to the processor for connecting to a server over a network; and

a user interface coupled to the processor for requesting aeronautical navigation data from the server, the request includes payment authorization information and a key code associated with the unique software key, wherein the communication component receives aeronautical navigation data from the server that was encrypted by the server based on the request and the processor decrypts the encrypted aeronautical navigation data based on the unique software key.



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